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☒ 1. Document ID: US 6269373 B1

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File: USPT

Jul 31, 2001

US-PAT-NO: 6269373

DOCUMENT-IDENTIFIER: US 6269373 B1

TITLE: Method and system for persisting beans as container-managed fields

DATE-ISSUED: July 31, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
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US-CL-CURRENT: 707/10; 719/311, 719/316, 719/326

ABSTRACT:

A method for persisting a container-managed server object or bean in a distributed data processing system is provided. A method in a Tie object is invoked by the container of the bean to assist in the persistence of the bean. The bean may have container-managed fields of both primitive and complex data-types, and the complex data-types may include references to other objects or beans. The Tie object obtains the object reference to the other object. The Tie object unwraps an adapter from the object reference to obtain a proxy of the referred object and stringifies the proxy. The string is then stored by the container in a back-end data store as a known primitive data-type. The referred object may be resurrected by unstringifying the string and reversing the process.

17 Claims, 19 Drawing figures

Exemplary Claim Number: 9

Number of Drawing Sheets: 8

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| Full | Title | Citation | Front | Review | Classification | Date | Reference | Ex. Refs | Drawings | Claims | KWC | Draw. Desc. |
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